

CLAIMS

What is claimed is:

1. A vibration isolator for mounting between a pair of support members, comprising:
 - 5 a core element adapted to be mounted to a first one of said pair of support members;
 - a housing assembly adapted to be mounted to a second one of said pair of support members;
 - an elastomeric spring member disposed between said housing
 - 10 assembly and said core element;
 - a travel restrictor connected to said housing assembly and surrounding said core element; and
 - an elastomeric bumper disposed adjacent to said travel restrictor and adapted to engage said first one of said pair of support members upon
 - 15 deflection of said elastomeric spring member.
2. The vibration isolator according to claim 1, wherein said travel restrictor is made from metal.
3. The vibration isolator according to claim 1, wherein said elastomeric bumper is generally ring shaped.
- 20 4. The vibration isolator according to claim 1, wherein said housing assembly includes a lower housing member adapted to be mounted to said second one of said pair of support members and an upper casing member, said travel restrictor being mounted to said upper casing member.
5. The vibration isolator according to claim 4, further comprising a
- 25 nozzle plate assembly disposed between said elastomeric spring member and said lower housing member.
6. The vibration isolator according to claim 5, further comprising a diaphragm disposed between said nozzle plate assembly and said lower housing member.
- 30 7. The vibration isolator according to claim 1, wherein said travel restrictor is coated with a heat reflective material.

8. The vibration isolator according to claim 7, wherein said heat reflective material is selected from the group consisting of chrome, zinc or nickel platings.

5 9. The vibration isolator according to claim 1, wherein said travel restrictor and said housing assembly are crimped to one another.

10. The vibration isolator according to claim 1, wherein said travel restrictor has a shoulder portion against which said elastomeric bumper is disposed.

10 11. The vibration isolator according to claim 1, wherein said travel restrictor includes a retaining feature for engaging said elastomeric bumper.

12. A vibration isolator for mounting between a pair of support members, comprising:
a core element adapted to be mounted to a first one of said pair of support members;
15 a housing assembly adapted to be mounted to a second one of said pair of support members;
an elastomeric spring member disposed between said housing assembly and said core element;
a travel restrictor connected to said housing assembly and surrounding said core
20 element, said travel restrictor being coated with a heat reflective material.

13. The vibration isolator according to claim 12, wherein said heat reflective material is selected from the group consisting of chrome, zinc or nickel platings.

14. The vibration isolator according to claim 12, wherein said housing
25 assembly includes a lower housing member adapted to be mounted to said second one of said pair of support members and an upper casing member, said travel restrictor being mounted to said upper casing member.

15. The vibration isolator according to claim 14, further comprising a nozzle plate assembly disposed between said elastomeric spring member and said
30 lower housing member.

16. The vibration isolator according to claim 15, further comprising a diaphragm disposed between said nozzle plate assembly and said lower housing member.